

WHAT IS CLAIMED:

1. A heterogeneous multiple ply tissue paper product having n plies joined together, wherein n is an integer greater than or equal to 2, the multiple ply tissue product comprising at least:
 - 5 a first ply having a texture value; and
 - a second ply having a texture value which is at least about 1.5 times the texture value of the first ply.
- 10 2. The multiple ply tissue paper product of Claim 1 wherein the texture value of the second ply is at least about 2.0 times the texture value of the first ply.
- 15 3. The multiple ply tissue paper product of Claim 2 wherein the texture value of the second ply is at least about 2.5 times the texture value of the first ply.
- 20 4. The multiple ply tissue paper product of Claim 3 wherein the texture value of the second ply is at least about 4.0 times the texture value of the first ply.
5. The multiple ply tissue paper product of Claim 1 wherein the first ply has a caliper, and wherein the second ply has a caliper which is at least about 1.25 times the caliper of the first ply.
- 25 6. The multiple ply tissue paper product of claim 5 wherein the caliper of the second ply is at least about 1.5 times the caliper of the first ply.
7. The multiple ply tissue paper product of claim 6 wherein the caliper of the second ply is at least about 2.0 times the caliper of the first ply.

8. The multiple ply tissue paper product of claim 1 wherein:

5 each of the n plies has an associated homogenous n ply absorbent capacity;

wherein at least one of the n plies has a homogenous n ply absorbent capacity greater than the homogenous n ply absorbent capacity of at least one of the other plies; and

10 wherein the heterogeneous multiple ply tissue paper product has an absorbent capacity greater than the average of the homogeneous n ply absorbent capacities of the n plies.

9. The multiple ply tissue paper product of Claim 8 wherein the multiple ply tissue paper product has an absorbent capacity greater than the
15 maximum homogenous n ply absorbent capacity of the n plies.

10. The multiple ply tissue paper product of Claim 9 wherein each of the n plies has an associate homogenous n ply absorbent rate, and wherein the multiple ply tissue paper product has an absorbent rate greater than the
20 average of the homogenous n ply absorbent rates of the n plies.

11. The multiple ply tissue paper product of Claim 1 wherein at least one of the plies has a macro-density which is at least about 1.5 times the macro-density of one of the other plies.

25

12. The multiple ply tissue paper product of Claim 11 wherein at least one of the plies has a macro-density of at least about 2.5 times the macro-density of one of the other plies.

30 13. The multiple ply tissue product of Claim 1, wherein at least one of the plies comprises a paper web having regions of different density.

14. The multiple ply tissue product of Claim 13 wherein at least one of the plies comprises a paper web having discrete regions of relatively high density dispersed throughout one or more relatively low density regions.
- 5 15. The multiple ply tissue paper product of Claim 13 wherein at least one of the plies comprises a paper web having a continuous network region having a relatively high density; and a plurality of discrete regions dispersed throughout the continuous network region, the discrete regions having relatively low densities.
- 10 16. The multiple ply tissue paper product of Claim 15 wherein both the first and second plies comprise a paper web having a continuous network region having a relatively high density; and a plurality of discrete regions dispersed throughout the continuous network region, the discrete regions having relatively low densities.
- 15 17. The multiple ply tissue paper product of Claim 16 wherein the first ply has X discrete, relatively low density regions per square inch dispersed throughout its respective continuous, relatively high density network region, the value of X being at least about 100; and wherein the second ply has Y discrete, relatively low density regions per square inch dispersed throughout its respective relatively high density, continuous network region, the value of
- 20 Y being less than about 250; and wherein the ratio of X to Y is at least about 2.0.
18. The multiple ply tissue product of Claim 1 wherein the first ply has a surface having a texture value of less than about 10 mils and the second ply has a surface having a texture value of at least about 15 mils.

25

6117spec.doc

30